

**ABSTRACT OF THE DISCLOSURE**

The invention relates to a device for intermittent compression of human extremities such as, for instance, the region of the calves, to assist the return of body fluid in the direction of the heart. The device comprises a cuff and a pressure generator, which intermittently pressurizes the cuff, the cuff comprising in the direction of return a width of maximally 25 cm. A highly compact, handy configuration enables mobile application of the device in every-day situations to assist physical well-being.